## WISCONSIN UNIFORM DWELLING CODE PLAN REVIEW AND INSPECTION CHECKLIST

	Proje	ect Address:			
	Own	er:	F		
	Build	ler:			
		Local Requirements (			
<u>Chapt</u> Design	 ter 21 –	CONSTRUCTION STANDARDS			One-half of bedrooms – 2'8" x 6'8" door
21.03	Exits, l	Doors and Hallways			One full bathroom – 2'8" x 6'8" door
	(1)	Min. two exits from first floor			Common use areas – 2'8" door or
	(2)(b)	Egress windows from 2 <sup>nd</sup> floor bedrooms or two exits from second			2'6" passageway
		clear opening floor		(9)	Hallway – 3' wide
	(6m)	Min. 20" x 24"		. , , ,	Exit Balconies – treated wood
		46" sill height A.F.F. or platform			Guardrail 3' min., intermediate rail Maximum floor height 15' above
	(3)	Two exits from 3 <sup>rd</sup> floor		` /\ /	grade
	(4)	Lofts		(10)(d)	Minimum 3' x 3'
	,	More than 400 sq. ft. then	21.04	Stairs	
		stairway		(4)	Landings min. 3' in travel direction
		If 400 sq. ft. or less, then ladder okay		(4)(c)	Landing between door at head and foot of all stairs except in
	(5)	Egress windows from basement bedrooms or two exits from floor		(3)(a)	accordance with 1. 2., 3., or 4.  Handrails on stairs of more than
	(6)	If ground floor used for sleeping,		(2)(-)	three risers
		then exit to grade and another exit or bedroom egress windows		(3)(a)	At least one provided
	(7)	Doors Doors		(3)(a)	Provided on all open sides
	(,)	Main exit – 3' x 6'8"			Between 30" and 38" above nosing
		Second exit – 2'8" x 6'4"		(3)(a)	To prevent passage of objects over 4" dia.
		Sliding exit patio doors min. 2'6" clear		(3)(b)2.	1 1/2" clearance between rail and wall
	(8)	Interior Circulation			

	(3)(a)	Withstand 200 lb. load in any direction		(1)(b)	At connections between concealed vertical and horizontal spaces
	(3)(c)1.	Guardrails at elevation changes of over 24"		(1)(c)	At top and bottom of stairway stringers
	(3)(c)2.	At least 36" above floor	21.09	Smoke	Detectors
	(3)(a)	To prevent passage of objects over		(1)(a)	One inside each sleeping room
	(2)	4" dia. Stairway Details		(1)(b)	One alarm in the vicinity of each sleeping area
	(2)(a)1.	3' wide		(1)(c)	One each floor include basement
	(2)(d)	Min. headroom of 6'4"	21.10		Resistant Wood
	(2)(b)&	(c) Max. riser of 8", min. tread of 9"		(2)(b)	Joists less than 18" from earth
	(2)(c)3.	,4. Winders per code		(2)(c)	Girders less than 12" from earth
	(2)(a)2.	Spiral stairs per code		(2)(d)	Sills less than 8" from earth
21.042	Ladder			(2)(e)	Siding less than 6" from earth
	Table 2	1.042 Ladders dimensions	21.11	Foam P	Plastic Insulation
21.045	Ramps			(1)(b)Pr	otected with 15 min. thermal barrier
	(1)-(4)	Ramps details			
21.05	Light a	nd Ventilation	Foot	ootings and Foundation Inspection	
	(1)	8% glazed openings in habitable rooms (bedrooms in basements	21.12	Grade	•
		only)			Slope away from dwelling
	(2)(a)	3.5% openable windows in all	21.13	Excava	
		habitable rooms, kitchens and baths (or one air change per hour mech.			Proper protection adjacent property
		vent.)	21.14	Excava	tions For Footing And Foundation
	(2)(b)	Exhaust hoods terminate outside of dwelling		(1)	No excavations below footings unless provisions are taken to prevent collapse
	(4)(a),(l	o) Crawlspace vented, vapor barrier, organic matter removed		(2)	Soil undisturbed or compacted; no organics
	(5)	Safety glass in doors and sidelights	21.15	Footing	-
21.06	Ceiling	Height	21,10	(1)(a)	Continuous – 4" wider than wall, 8'
		Ceiling height-min. 50% of at least		(-)()	deep
		7'		(1)(b)	Column – 2' x 2', 12" deep min.
21.07	Attic a	nd Crawlspace		(1)(c)	Trench (frost wall) – 8" wide min.
		Attic or crawlspace access at least 14" x 24"		(1)(d)	Chimney and fireplace $-4$ " on each side, 12" deep min.
21.08	Fire Se	paration and Living Unit Separation	21.16	Frost P	enetration
	(1)	Tenant separation			Bottom of footing at least 48"
	(1)(d)	Chases and openings			below grade
	(1)	Garage separation per Table 21.08			No footings placed on frozen soil
	(1)(a)	45 min. wall and ceiling separation	21.17		Files (Where Required)
	(1)(c)	20 min. door, solid core or metal		(3)(d)4.	Exterior tile on 2" gravel, covered with 12" gravel plus 12" out from
21.085	Fireblo				tile
		At floor levels		(3)(b)	Basement floor on 4" gravel

	(3)(d)5.	Interior tile connected to exterior		(6)	Overhangs
		tile with 3" diameter bleeders every 8' min.		(6)(a)	Max. 2' where floor joists extend over wall
	(3)(d)6.	Tile to sump pitched 1/8" per ft.		(6)(b)	Lookout joists attached properly
	(3)(e)	Drain tile discharge per s. Comm		(7)	Floor openings
21.18	Founda	82.36 <b>tion</b>			Doubled trimmers and headers if header over 4'
	Genera	1			Hangers, beams or partition
		As wide as supported wall			wall support if header over 6'
	(1)(b)&	(c) Lateral support at bottom (slab) and top (anchored floor)			Hangers or ledger for tail joists over 8'
	(2)	Concrete – per Table 21.18-A – min. 3000 psi concrete		(8)	Floor sheathing per Tables 21.22-B – E
	(3)(b)1.	Unreinforced masonry per Table 21.18-C		(8)(a)	Plywood deck to have blocking, underlay-ment, wood strip flooring
	(3)(b)5.	,6. Masonry reinforced w/rebar per Table 21.18-D, E, & F		(9)	or T&G edges Bridging every 8' unless not
	(1)(b)	Lateral support at top and base of wall	Walls		required
21.20	Concre	te Floors	21.24	Exterio	r Walls
	(1)	At least 3" thick		(1).	Permanent weather-resistant wall covering
	(2)	4" base course over clay soils		(2)	•
21.205	205 Wood basement floors		21.25	21.25 Wood Frame Walls	
		Wood foundation – per NFPA Tech	21.25		
		Report #7 – No galvanized fasteners		(1)(a)	Stud size, grade and spacing per Table 21.25-A
Framin	g Inspec	tion	·	(1)(b)	Posts or multiple studs at corners
21.22	Floors			(1)(b)	Corner bracing
	(1)	Joists sized per span tables (size,		(2)	Proper top plate
		grade spacing)		(3)(a)	Header size per Tables 21.25-B, C
	(1)(1m)	Sill plates			or D
	(a)3.	Any sill plates anchored  Masonry walls – Min. sill plate 2"		(3)(b)	Doubled shoulder stud for headers over 6' in bearing wall
		x wall width or solid top course Truss joists properly installed		(3)(b)3.	Double shoulder stud for headers over 6'
	(4)(b)	(bearing points)		(4)	Stud not notched more than 1/3 of depth
		Girders or beams sized per Table 21.22-A1 or -A2		(5)	Load bearing partition over proper
		Beam anchored to posts		(6)	support Post and columns
	(4)	Bearing	21.26	(6)	
	(a)1.a.	1 1/2" on wood, 3" on concrete or masonry	21.26	Masoni (1)	ry Walls  Proper cold weather work measure
	(a)1.c.	Max. joist tail ends equal to depth		(3)	Proper mortar per Table 21.26-A
	(5)	of joist		(7)	Masonry Veneers
	(5)	Notching and boring complies with this section		(7)(a)1.	Max. corbel of 1"

	(7)(a)2.	Maintain air space		(6)	Proper notching and boring of
	(7)(a)3.	Brick ledge or base flashing			joists
	(7)(a)4.	Weepholes every 3'		(7)	Roof sheathing sized properly
	(8)	Veneer Anchorage			Edges supported or clipped
	(8)(a)1.	Corrugated ties	Einople	oo Door	w/proper gap
		Max. veneer unit size of 1 sq. ft.	21.29	_	nirements
		Tie every 2 sq. ft.	21,29		nry Fireplaces Flue size per Table 21.29
		Embedded 2" in joint		(1)	Firebox
	(8)(a)2.	1/4" dia. bolts for large units		(3)	
		Each veneer unit w/3 anchors-or- units doweled to each other and			Box of 1/4" metal, listed or 2" firebrick
		wall anchor every 6 sq. ft.		(5)	Walls at least 8" thick
	(8)(b)	Option-adhesive anchorage		(6)	Hearth extension per Table 21.29-1
	(0)	properly done		(11)	Combustible trim
	(9)	Framing member bearing-min. of 3"			None within 6" of opening
Roofs a	and Ceili Roof Do	ngs			Combustibles between 6" and 12" of opening not to project more than 1/8" per inch from opening
21.27	(1)	Rafters and joists sized per span		(12)	Combustible framing 2" away
		tables (size, grade, spacing)	21.30	Mason	nry Chimneys – See Chapter 23 Checklist
	(2) (3)(a)1	Uplift & suction forces  Proper protection from water 15	21.32	Factor	ry-Built Fireplaces
	(5)(a)1.	Proper protection from water, 15 lb. felt			Listed
	(3)(b)	Eave protection-for roofs with less than 4:12 pitch		(1)	Installed per listing include clearances
	(4)(b)	Crickets if chimney over 30" wide		(2)	Distances from combustibles
21.28	Framin	g		(3)	Hearth extension
	(1)(a)	2X ridge board if rafters offset	<u>Cł</u>	napter 2	2 ENERGY CONSERVATION
	(2)	Anchorage and collar ties every			<u>STANDARDS</u>
		third rafter	22.03	Insula	
	(4)	Hip & valley rafters 2" wider than commons	22.05		tration Certification
	(4)(a)	Doubled valley rafters unless	22.07	_	n Temperatures
	( <del>1</del> )(u)	supported	22.08		ation and Moisture Control
	(5)	Trusses			lculating Loads and Procedures
		Wood grade marks per plan		_	, Dwelling Envelope Designs
		Proper load rating	22.21		ope Requirements
		Bearing as indicated	22.22	-	Retarders
		Diag. supports to end walls as	22.23	Walls	
		indicated	22.24		and Ceiling
		Lateral support as indicated			quirements
		Lateral support of bottom chord as	22.25		Over Unheated Spaces
		indicated	22.26		On Grade Floors
		No field modifications	22.27		space Walls
			22.28	Basen	ient Walls

22.30	Air Lea	ıkage		(1)	Ducts not used for other purpose	
22.32	Recessed Lighting Fixtures			(1)(a)2.	No nonmetallic ducts for kitchen	
22.34	4 Energy Analysis Chapter 23 – HVAC STANDARDS				hoods or within 6' of furnace	
				(2)(b)	Underfloor plenums per this section	
23.02	Design			(4)	Underground perimeter ducts insulated to R-5	
	(1)	Heating and cooling system design		(7)	Proper duct support	
	(2)	Distribution systems	23.09	Dampe	rs, Registers and Grilles	
	(3)	Ventilation		(1)	Backdraft dampers on supply ducts	
	(4)	Controls		, ,	to garage	
22.03		g System	·	(2)(b)	No return grilles in bathrooms,	
23.04	Equipn	nent			kitchens, garages	
	(1)	Furnaces		_	Chimneys and Vents	
	(1)(b)	No unvented combustion heaters	23.11	Genera	1	
	(4)	Location		(2)	Chimney terminates 3' above roof	
23.045	Solid-F	uel-Burning Appliances			and 2' above any portion of roof within 10'	
	(1)	Listed appliances	23.12	Masoni	ry Chimneys (See Comm 21.30)	
	(3)	Vented to its own lined masonry chimney or factory-built chimney		(1)	Shall rest on footing	
	(4)	Chimney connector	·	(1)	Min. of 4" thick wall	
	(4)(a)	Chimney material		(2)	Flue as big as chimney connector	
	(4)(b)	18" clearance to unprotected		(3)	4" separation between flues	
	(4)(0)	combustibles (9" if protected		(6)	Cleanout opening	
		w/sheet metal spaced 1" out)		(7)	Proper flue liner	
	, , , ,	Joints secured with 3 screws or rivets		(9)	Proper clearances – 2" for interior chimneys, 1/2" for exterior	
		Sized to appliance collar			chimneys	
	(4)(e)	Not run through any floor, ceiling, window, door or combustible wall	23.15		mney Connectors	
	/A\/ \1	or concealed in closet or attic		(2)(a)	Not run through any window, door, outside combustible wall, closet or	
	(4)(e)1.	May pass through combustible wall if protected w/thimble of diameter 12" more than connector		(2)(a)1.	attic  May pass through combustible wall if protected with proper thimble	
	(4)(f)	Damper installed		(2)(c)	Pitch and length	
	(5)	Floor protection per Table 23.04-C for 18" all around		· / · /	- No more than 2 - 45° offsets	
	(6)	Appliance clearance of 36" to combustibles unless listed for less			- Horizontal run no more than 75% of chimney's vertical rise	
	(6)(b)2.	Appliance clearance may be reduced per Table 23.045-E		(2)(d)	- Pitched at least 1/4" per foot No manual damper	
	(9)(a)	Duct and plenum clearances per		(2)(e)	Thickness per Table 23.15-A or B	
	(>)(\(\mathbf{u}\))	Table 23.045-F		(2)(f)	Clearance per Table 23.15-C	
23.06	Combu	stion Air	23.155	Multipl	e Automatic Appliance Venting	
	(1)	Scope		(1)	Same fuel type	
	(2)	Methods for providing air		(1)	- Located in same story	
23.08	Ductwo	ork				

Feb. 2, 2006	
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	(2)	- Y manifold or chimney inlets offset by 12" vertically or at right angles to each other	23.18	<b>Operation</b> Appliance manual left at location
	(3)	- Flue and common connector sized to largest feeder connector and 1/2 of smaller connector		
23.156	Conde	nsate Drains		
		Into sanitary drain system		